

## Inorganic Nomenclature Worksheet

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|-------------------------------|-------------------------------------|----------------------------------|
| 1. ammonium sulfide           | 51. aluminum acetate                | 101. sodium acetate              |
| 2. sodium nitrate             | 52. calcium chloride dihydrate      | 102. zinc sulfite                |
| 3. cupric bromide             | 53. barium chromate                 | 103. silver bicarbonate          |
| 4. aluminum sulfate           | 54. cobaltic chloride               | 104. potassium iodide            |
| 5. potassium nitrate          | 55. barium chloride dihydrate       | 105. lead(IV) chloride           |
| 6. ferrous carbonate          | 56. sulfurous acid                  | 106. mercurous chromate          |
| 7. lead(II) phosphate         | 57. potassium hydroxide             | 107. lead(II) nitrite            |
| 8. diphosphorus pentoxide     | 58. zinc bisulfite                  | 108. potassium dichromate        |
| 9. cupric hydroxide           | 59. sodium sulfite                  | 109. magnesium carbonate         |
| 10. calcium fluoride          | 60. cobaltous sulfate               | 110. calcium bicarbonate         |
| 11. nickel(II) nitrate        | 61. ferric oxide                    | 111. aluminum hydroxide          |
| 12. silver cyanide            | 62. silver phosphate                | 112. cobaltous oxide             |
| 13. ammonium sulfite          | 63. sodium hypochlorite             | 113. ferric permanganate         |
| 14. zinc sulfate              | 64. ammonium chromate               | 114. ammonium chromate           |
| 15. tin(II) chloride          | 65. barium carbonate                | 115. nitrogen triiodide          |
| 16. antimony(III) chloride    | 66. calcium iodide                  | 116. sulfur trioxide             |
| 17. silver sulfide            | 67. cupric sulfate                  | 117. ammonium dichromate         |
| 18. magnesium hydroxide       | 68. cuprous chloride                | 118. iron(III) bicarbonate       |
| 19. ammonium carbonate        | 69. ferric carbonate                | 119. ammonium perchlorate        |
| 20. nickel(II) acetate        | 70. zinc phosphate                  | 120. cobaltic acetate            |
| 21. sodium chromate           | 71. sodium nitrite                  | 121. cobaltous hydroxide         |
| 22. chromic bisulfate         | 72. silver oxide                    | 122. iron(II) chromate           |
| 23. potassium permanganate    | 73. nickel(II) bromide              | 123. ferric bromide              |
| 24. silver perchlorate        | 74. magnesium oxide                 | 124. zinc sulfate                |
| 25. potassium phosphate       | 75. mercuric perchlorate            | 125. boron phosphide             |
| 26. nickel(II) iodide         | 76. lithium hypochlorite            | 126. ferric bicarbonate          |
| 27. mercurous oxide           | 77. oxygen difluoride               | 127. cupric bisulfate            |
| 28. lead(II) chlorite         | 78. cobalt(II) hydrogen sulfate     | 128. acetic acid (diff. from 79) |
| 29. hydrogen iodide           | 79. acetic acid (see #128)          | 129. barium bisulfite            |
| 30. iron(II) bisulfite        | 80. barium hypochlorite             | 130. nitric acid                 |
| 31. magnesium nitrate         | 81. ammonium hydroxide              | 131. calcium sulfide             |
| 32. iron(III) chromate        | 82. cobalt(II) iodide               | 132. copper(I) bisulfate         |
| 33. iron(II) chromate         | 83. chromium(II) bicarbonate        | 133. zinc permanganate           |
| 34. copper(II) hydroxide      | 84. sodium hydroxide                | 134. ferric carbonate            |
| 35. cuprous carbonate         | 85. silver nitrate                  | 135. hydrobromic acid            |
| 36. chromic acetate           | 86. mercury(II) nitrate             | 136. hydrocyanic acid            |
| 37. calcium chlorate          | 87. hydrochloric acid               | 137. hydrogen cyanide            |
| 38. ammonium oxide            | 88. aluminum bisulfite              | 138. sulfuric acid               |
| 39. aluminum perchlorate      | 89. cobalt(III) hydrogen sulfate    | 139. copper(I) sulfate           |
| 40. zinc bicarbonate          | 90. ferric hydrogen carbonate       | 140. chromium(III) oxide         |
| 41. sodium phosphate          | 91. phosphorus pentabromide         | 141. aluminum oxide              |
| 42. silver hypochlorite       | 92. nickel(II) chloride hexahydrate | 142. cobaltous bisulfate         |
| 43. ammonium phosphate        | 93. ammonium aluminum sulfate       | 143. barium carbonate            |
| 44. ferrous chlorite          | 94. iron(III) hydrogen carbonate    | 144. mercuric chloride           |
| 45. potassium sulfide         | 95. mercury(I) hydrogen phosphate   | 145. ferrous chromate            |
| 46. tin(IV) bromide           | 96. plumbic hydrogen carbonate      | 146. cupric hydroxide            |
| 47. lithium chromate          | 97. mercuric hydrogen carbonate     | 147. perchloric acid             |
| 48. magnesium bisulfate       | 98. mercurous hydrogen phosphate    | 148. ferric phosphate            |
| 49. ferrous phosphate         | 99. copper(II) sulfate pentahydrate | 149. lead(II) oxide              |
| 50. calcium sulfate dihydrate | 100. chromic dihydrogen phosphate   | 150. cobaltic chlorate           |

If a formula can be named more than one correct way, then give all. For example,  $\text{Fe}(\text{HCO}_3)_3$  can be named four different ways. They are iron(III) bicarbonate, iron(III) hydrogen carbonate, ferric bicarbonate, and ferric hydrogen carbonate. The second way would be best.

151. $\text{HgF}_2$	191. $\text{KF}$	231. $\text{N}_2\text{O}_5$	271. $\text{NaOH}$	290. $\text{XeF}_4$	328. $\text{Be}(\text{ClO}_4)_2$
152. $\text{KCl}$	192. $\text{CaSO}_4$	232. $\text{SnCrO}_4$	272. $\text{NI}_3$	291. $\text{Hg}(\text{OH})_2$	329. $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$
153. $\text{KMnO}_4$	193. $\text{HCl}$	233. $\text{Al}_2\text{O}_3$	273. $\text{ClF}_3$	292. $\text{CaH}_2$	330. $\text{Ba}(\text{BrO}_3)_2$
154. $\text{KClO}_4$	194. $\text{SbCl}_3$	234. $\text{CuCO}_3$	274. $\text{P}_3\text{N}_5$	293. $\text{As}_4\text{O}_6$	331. $\text{AuCl}_3$
155. $\text{ZnO}$	195. $\text{As}_4\text{O}_{10}$	235. $\text{ClO}_2$	275. $\text{UF}_6$	294. $\text{BN}$	332. $\text{Al}_2\text{S}_3$
156. $\text{Ba}(\text{OH})_2$	196. $\text{NH}_4\text{Cl}$	236. $\text{CuS}$	276. $\text{NBr}_3$	295. $\text{CoS}$	333. $\text{Na}_2\text{HPO}_4$
157. $\text{NH}_4\text{MnO}_4$	197. $\text{NH}_4\text{NO}_3$	237. $\text{MgI}_2$	277. $\text{Cl}_2\text{O}_3$	296. $\text{N}_2\text{O}_4$	334. $\text{Mg}_3(\text{PO}_4)_2$
158. $\text{CaCO}_3$	198. $\text{IF}_5$	238. $\text{CoCl}_3$	278. $\text{CsF}$	297. $\text{H}_3\text{BO}_3$	335. $\text{CuSO}_3$
159. $\text{Ba}_3(\text{PO}_4)_2$	199. $\text{NaHCO}_3$	239. $\text{NaCN}$	279. $\text{CO}$	298. $\text{I}_2\text{O}_5$	336. $\text{KAl}(\text{C}_2\text{O}_4)_2$
160. $\text{Fe}_2\text{O}_3$	200. $\text{Ba}(\text{OH})_2$	240. $\text{Hg}_3\text{N}_2$	280. $\text{Cu}_2\text{S}$	299. $\text{PbO}$	337. $\text{Cr}_2(\text{SO}_3)_3$
161. $\text{CoF}_3$	201. $\text{FeCl}_3$	241. $\text{BrO}_3$	281. $\text{KHCO}_3$	300. $\text{NaBr}$	338. $\text{HClO}$
162. $\text{H}_2\text{CO}_3$	202. $\text{HF}$	242. $\text{SiF}_4$	282. $\text{SbCl}_5$	301. $\text{Li}_2\text{CrO}_4$	339. $\text{HClO}_2$
163. $\text{K}_2\text{SO}_4$	203. $\text{PbSO}_4$	243. $\text{Sb}_2\text{O}_5$	283. $\text{CO}_2$	302. $\text{ICl}$	340. $\text{HClO}_3$
164. $\text{NaHSO}_4$	204. $\text{KrF}_2$	244. $\text{LiH}$	284. $\text{HgO}$	303. $\text{SO}_3$	341. $\text{HClO}_4$
165. $\text{PF}_5$	205. $\text{NaCl}$	245. $\text{SF}_6$	285. $\text{PCl}_3$	304. $\text{Hg}_2\text{O}$	342. $\text{Mn}(\text{IO}_3)_2$
166. $\text{Ag}_2\text{O}$	206. $\text{P}_2\text{O}_5$	246. $\text{SnI}_4$	286. $\text{PBr}_5$	305. $\text{NaH}$	343. $\text{KBrO}_3$
167. $\text{Pb}(\text{ClO}_2)_2$	207. $\text{AlBr}_3$	247. $\text{KOH}$	287. $\text{IF}_7$	306. $\text{OsO}_4$	344. $\text{Fe}(\text{ClO}_4)_3$
168. $\text{Cu}_2\text{CrO}_4$	208. $\text{Ba}(\text{NO}_3)_2$	248. $\text{K}_2\text{O}$	288. $\text{Cl}_2\text{O}$	307. $\text{XeF}_2$	345. $\text{Cr}(\text{OH})_3$
169. $\text{Ca}(\text{ClO}_4)_2$	209. $\text{BrF}_5$	249. $\text{H}_2\text{SO}_4$	289. $\text{CCl}_4$	308. $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$	
170. $\text{HC}_2\text{H}_3\text{O}_2$	210. $\text{P}_4\text{O}_6$	250. lithium oxide		309. $\text{NaC}_2\text{H}_3\text{O}_2$	
171. $\text{LiI}$	211. $\text{FePO}_4$	251. xenon trioxide		310. $\text{Al}(\text{OH})_3$	
172. $\text{Al}_2(\text{SO}_4)_3$	212. $\text{Hg}_2\text{SO}_4$	252. gold(I) chloride		311. $\text{Li}_2\text{HPO}_4$	
173. $\text{HBr}$	213. $\text{KH}$	253. gold(I) cyanide		312. $\text{Ca}(\text{NO}_3)_2$	
174. $\text{Hg}_2(\text{ClO})_2$	214. $\text{Co}_2(\text{SO}_3)_3$	254. sodium oxide		313. $\text{Ni}(\text{ClO}_4)_2$	
175. $\text{CrCl}_3$	215. $\text{N}_2\text{O}_3$	255. potassium chlorate		314. $\text{Mn}(\text{NO}_3)_2$	
176. $\text{H}_3\text{PO}_4$	216. $\text{N}_2\text{O}$	256. mercurous nitrite		315. $\text{Au}(\text{H}_2\text{PO}_4)_3$	
177. $\text{LiMnO}_4$	217. $\text{Fe}(\text{NO}_2)_3$	257. nickel(II) fluoride		316. $\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$	
178. $\text{Fe}_2(\text{HPO}_4)_3$	218. $\text{Sn}_3(\text{PO}_4)_2$	258. potassium cyanide		317. $\text{KAl}(\text{SO}_4)_2$	
179. $\text{Na}_2\text{CO}_3$	219. $\text{H}_2\text{O}_2$	259. manganese dioxide		318. $\text{Al}(\text{MnO}_4)_3$	
180. $\text{Mg}(\text{HCO}_3)_2$	220. $\text{Be}(\text{OH})_2$	260. osmium tetrachloride		319. $(\text{NH}_4)_3\text{PO}_4$	
181. $\text{Sn}_3(\text{PO}_4)_4$	221. $\text{Sr}(\text{HCO}_3)_2$	261. rubidium carbonate		320. $\text{CoSO}_4 \cdot 6 \text{H}_2\text{O}$	
182. $\text{HNO}_3$	222. $\text{Sr}(\text{OH})_2$	262. trisulfur dinitride		321. $\text{MgCl}_2 \cdot 6 \text{H}_2\text{O}$	
183. $\text{ZnCl}_2$	223. $\text{P}_4\text{S}_{10}$	263. nitrogen trichloride		322. $\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$	
184. $\text{NaH}_2\text{PO}_4$	224. $\text{Hg}_2\text{O}_2$	264. vanadium(V) oxide		323. $\text{NaHS} \cdot \text{H}_2\text{O}$	
185. $\text{Hg}_2\text{Cl}_2$	225. $\text{Hg}_2(\text{OH})_2$	265. selenium tetrafluoride		324. $\text{MgSO}_4 \cdot 9 \text{H}_2\text{O}$	
186. $\text{Fe}(\text{NO}_2)_2$	226. $\text{NH}_4\text{F}$	266. stannous hypochlorite		325. $\text{NaH}_2\text{PO}_4 \cdot 9 \text{H}_2\text{O}$	
187. $\text{CuNH}_4\text{PO}_4$	227. $\text{XeF}_6$	267. tellurium hexafluoride		326. $\text{Na}_2\text{CrO}_4 \cdot 4 \text{H}_2\text{O}$	
188. $\text{NaMgPO}_4$	228. $\text{K}_2\text{Cr}_2\text{O}_7$	268. lanthanum(III) phosphate		327. $\text{Pb}(\text{CH}_3\text{COO})_2 \cdot 3 \text{H}_2\text{O}$	
189. $\text{Sn}(\text{HCO}_3)_4$	229. $\text{NH}_4\text{OH}$	269. sodium hydrogen sulfate monohydrate			
190. $\text{NaMnO}_4$	230. $(\text{NH}_4)_3\text{PO}_4$	270. chromium(III) hydrogen phosphate			